Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Sunday 01 Oct 2023 until 23:59 on Monday 02 Oct 2023

Forecast Issued on Sunday 01 Oct 2023 at 01:14

Confidence: High confidence for the continuing unsettled theme. Moderate confidence for timing and location of heaviest rain on Sunday and Monday.

Headline for Sunday 01 Oct 2023: Persistent heavy rain through the morning, easing later and clearing for the evening.

Mountain weather hazards on Sunday 01 Oct 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
No Likelihood

Poor visibility
High Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
High Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Heavy Rain	Cloudy	Cloudy	Cloudy
Precipitation probability					
80%	90%	90%	60%	20%	<05%

Forecast for Sunday 01 Oct 2023

Weather: Persistent rain will continue through the early hours and the morning, heavy at times especially on western slopes. Rain is likely to start to ease into the afternoon, becoming mostly dry by early evening.

Chance of cloud-free hill tops above 600m: Less than 10%, becoming 40% by mid-afternoon and then 90% for the evening.

Low cloud and visibility: Widespread low cloud, base 200-400m, through the early hours and the morning. Cloud base lifting to around 500-600m by mid-afternoon, then lifting further and breaking into the evening with most slopes becoming clear of cloud. Visibility mostly poor or very poor in rain and low cloud covering the hills. Improving for the evening, becoming mostly good.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Sunday 01 Oct 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	24/30 SW	22/30 SW	20/28 SW	16/22 SW	12/16 SW	10/14 SW	12/17 SW
300	19/26 SW	17/26 SW	15/23 SW	12/18 SW	8/14 SW	7/11 SW	8/14 SW
Valley	10/24 SW	11/24 SW	10/21 SW	9/18 SW	6/13 W	3/9 SW	4/13 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/10	14/10	14/11	14/11	13/11	11/10	11/8
300	16/13	16/13	16/14	16/14	15/14	14/13	13/12
Valley	16/15	16/15	16/15	16/16	15/15	14/14	12/12
Freezing Level*	3300m	3400m	3200m	3000m	2500m	2200m	2500m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Strong winds through the early hours will make for arduous walking at first, but this gradually easing. Heavy rain could lead to swollen watercourses and possible flooding. Good navigation skills will be needed, although conditions will start to improve late in the day.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Sat 30 Sep 2023	0mm	0mm	0mm

Forecast for Monday 02 Oct 2023

Weather: Areas of low cloud developing overnight, perhaps with a little drizzle, but dry for most. Cloud thickening before dawn with outbreaks of rain likely through much of the day, possibly heavy at times. Some uncertainty as to the timing of this rain, however. Rain is most likely to clear during the evening.

Maximum wind: Westerly or southwesterly 10 mph gusting 20 mph, during the morning.

Chance of cloud-free hill tops above 600m: 60% at first, soon becoming 20% for much of the day.

Low cloud and visibility: Areas of low cloud overnight, base 400-500m, becoming widespread near dawn with patches down to 300m, likely not clearing until evening. Visibility often poor or very poor in rain and low cloud covering the hills.

Temperature: **Valleys:** Plus 13 Celsius.
At 600m: Plus 11 Celsius.
Freezing level: Above the hills.

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